M PTQ-1390 (REV. 6-87)

U.S. LEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY & DOCKET NUMBER

85940/11

## TRANSMITTAL LETTER FOR THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/Fi91/00011	10 January 1991	15 January 1990
TITLE OF INVENTION		

A PROCESS FOR THE SIMULTANEOUS PRODUCTION OF XYLITOL AND ETHANOL

APPLICANT(S) FOR DO/EO/US

HEIKKILA, Heikki; HYOKY, Goran; RAHKIL, Leena; SARKKI, Marja-Leena; VILJAVA, Tapio

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items under 35 U.S.C. 371:

- This express request to immediately begin national examination procedures (35 U.S.C. 371(f)). 1. x
- 2. X The U.S. National Fee (35 U.S.C. 371(c)(1)) and other fees as follows:

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CA	ALCULATIONS
	TOTAL CLAIMS	14 -20 =	ф	X \$20.00	\$ -	0-
	INDEPENDENT CLAIMS	1 -3 =	<b>-</b>	X \$72.00	4	<b>)</b> -
	MULTIPLE DEPENDE	ENT CLAIM(S) (if applicable)		+ \$220.00	\$ 2	220.00
	BASIC NATIONAL FE	EE (37 CFR 1.492(a)(1)-(4)):				
	☐ International	International preliminary examination fee paid to USPTO (37 CFR 1.482) \$620				
· · · · · · · · · · · · · · · · · · ·	No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2))					
	X Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO					920.00
	(37 CFN 1.44	45(a)(2)) paid to 03F10	• • • • • • • • • • • • • • • • • • • •	\$920		
	International	preliminary examination fee	e paid to USPTO (37 CFF			
•	International satisfied pro	preliminary examination fee	e paid to USPTO (37 CFF to (4)	1.482) and all claims \$90		
	International satisfied pro	preliminary examination fervisions of PCT Article 33(2)	e paid to USPTO (37 CFF to (4)	1.482) and all claims \$90 ater than 20 30 mos.	= 4	\$1140.00
	International satisfied pro	preliminary examination fervisions of PCT Article 33(2)	e paid to USPTO (37 CFF to (4)	ater than 20 30 mos.	= 4	\$1140.00
	International satisfied pro Surcharge of \$120. f from the earliest clai	preliminary examination fervisions of PCT Article 33(2) or furnishing the National fermed priority date (37 CFR 1	e paid to USPTO (37 CFF to (4)	ater than 20 30 mos.	= 4	\$1140.00
	International satisfied pro Surcharge of \$120. f from the earliest clair Reduction by 1/2 for 1.9, 1.27, 1.28.) Processing fee of \$3	preliminary examination fervisions of PCT Article 33(2) or furnishing the National fermed priority date (37 CFR 1	e paid to USPTO (37 CFF to (4)	\$ 1.482) and all claims \$90  ater than 20 30 mos.  CULATIONS e filed also. (Note 37 CFR		\$1140.00
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- a. X Please charge my Deposit Account No. 11-0600 in the amount of \$1140 to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to b. X Deposit Account No. 11-0600. A duplicate copy of this sheet is enclosed.

. X is transmitted herewith (required only if not transmitted by the International Bureau).		[ з		A c	opy of the International Application as filed (35.U.S.C. 371(c)(2))
c.			•	a.	X is transmitted herewith (required only if not transmitted by the International Bureau).
A translation of the International Application into English (3S U.S.C. 371(e)(2)).  5. Amendments to the claims of the International Application under PCT Article 19 (3S U.S.C. 371(e)(3))  a.   are transmitted herewith (required only if not transmitted by the International Bureau).  b.   have been transmitted by the International Bureau.  6.   A translation of the amendments to the claims under PCT Article 19 (3S U.S.C. 371(e)(3)).  7.   An oath or declaration of the Inventor (3S U.S.C. 371(e)(4)).  8.   A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (3S U.S.C. 371(e)(3)).  7.   An oath or declaration of the Inventor (3S U.S.C. 371(e)(4)).  8.   A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (3S U.S.C. 371(e)(3)).  7.   An oath or declaration of the Annexes to the International Preliminary Examination Report under PCT Article 36 (3S U.S.C. 371(e)(3)).  8.   A translation of the International Preliminary Examination Report under PCT Article 36 (3S U.S.C. 371(e)(a)).  9.   An Information Disclosure Statement under 37 CFR 1.97 and 1.98.  10.   An assignment document for recording.  Please mail the recorded assignment document to:  a.   the person whose signature, name & address appears at the bottom of this page.  b.   the following:  11. The above checked items are being transmitted  a.   before the 18th month publication.  b.   after 20 months but before 22 months (aucharge and/or processing fee included).  Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 3S U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.  A by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.  1.   after 30 months but before 22 months and a proper demand for International Preliminary Examination was m				b.	☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
5. Amendments to the claims of the International Application under PCT Article 19 (3S U.S.C. 371(c)(3)) a.   are transmitted by the International Bureau. b.   have been transmitted by the International Bureau. c.   A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 7.   An ceth or declaration of the inventor (3S U.S.C. 371(c)(4)). 8.   A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). Other document(a) or Information included: 9.   An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 10.   An assignment document for recording. Please mail the recorded assignment document to: a.   the person whose signature, name & address appears at the bottom of this page. b.   the following:  11. The above checked items are being transmitted a.   before the 18th month publication. b.   after publication and the Article 20 communication but before 20 months from the priority date. c.   after 22 months but before 22 months (surcharge and/or processing fee included). Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date. e. X by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. c.   after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. c.   after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date. c.   after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by 19 months from 32 months and a proper demand for International Preliminary Examination was made by 19 months				C.	has been transmitted by the International Bureau.
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Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 22 months and no proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.  e. X by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.  f.				C.	after 20 months but before 22 months (surcharge and/or processing fee included).
22 months and no proper demand for international Preliminary Examination was made by 19 months from the earliest claimed priority date.  e. X by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.  f. after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included).  g. after 32 months (surcharge and/or processing fee included).  Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.  12. At the time of transmittal, the time limit for amending claims under Article 19  a. X has expired and no amendments were made.  b. has not yet expired.  13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on date  14. a. X Copy of the first four pages of the Record Copy for PCT/FI91/00011  b. X Copy of Notification of Receipt of Demand (PCT/IPEA/401)  c. X Copy of Notification of Receipt of Demand (PCT/IPEA/402)  Walter Scott  KENYON & KENYON  One Broadway  New York, NY 10004 (212) 425-7200				d.	after 22 months (surcharge and/or processing fee included).
the earliest claimed priority date.  e. X by 30 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.  f. after 30 months but before 32 months and a proper demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date (surcharge and/or processing fee included).  g. after 32 months (surcharge and/or processing fee included).  Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.  12. At the time of transmittal, the time limit for amending claims under Article 19  a. X has expired and no amendments were made.  b. has not yet expired.  13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on namely:  date  14. a. X Copy of the first four pages of the Record Copy for PCT/FI91/00011  b. X Copy of Notification of Receipt of Demand (PCT/IPEA/401)  c. X Copy of Notification of Receipt of Demand (PCT/IPEA/402)  d. X Copy of Notice re Elected Offices (PCT/IB/332)  Walter Scott  KENYON & KENYON  One Broadway  New York, NY 10004 (212) 425-7200					
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included).  g. after 32 months (surcharge and/or processing fee included).  Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for International Preliminary Examination was made by 19 months from the earliest claimed priority date.  12. At the time of transmittal, the time limit for amending claims under Article 19  a. X has expired and no amendments were made.  b. has not yet expired.  13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on date  14. a. X Copy of the first four pages of the Record Copy for PCT/Fi91/00011  b. X Copy of Notification of Receipt of Demand (PCT/IPEA/401)  c. X Copy of Notification of Receipt of Demand (PCT/IPEA/402)  d. X Copy of Notice re Elected Offices (PCT/IB/332)  Walter Scott  KENYON & KENYON  One Broadway  New York, NY 10004 (212) 425-7200  SIGNATURE (REG. NO. 30,588)			•	f.	· · ·
g. after 32 months (surcharge and/or processing fee included).  Note: Petition to revive (37 CFR 1.137(a) or (b)) is necessary if 35 U.S.C. 371 requirements submitted after 32 months and a proper demand for international Preliminary Examination was made by 19 months from the earliest claimed priority date.  12. At the time of transmittal, the time limit for amending claims under Article 19  a. X has expired and no amendments were made.  b. has not yet expired.  13. Certain requirements under 35 U.S.C. 371 were previously submitted by the applicant on namely:  date  14. a. X Copy of the first four pages of the Record Copy for PCT/Fig1/00011  b. X Copy of Notification of Receipt of Demand (PCT/IPEA/401)  c. X Copy of Notification of Receipt of Demand (PCT/IPEA/402)  d. X Copy of Notice re Elected Offices (PCT/IB/332)  Walter Scott KENYON & KENYON One Broadway New York, NY 10004 (212) 425-7200  SIGNATURE (REG. NO. 30,588)					
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14. a. X Copy of the first four pages of the Record Copy for PCT/FI91/00011 b. X Copy of the Demand under the PCT (PCT/IPEA/401) c. X Copy of Notification of Receipt of Demand (PCT/IPEA/402) d. X Copy of Notice re Elected Offices (PCT/IB/332)  Walter Scott KENYON & KENYON One Broadway New York, NY 10004 (212) 425-7200  SIGNATURE (REG. NO. 30,588)  JAMES AND POTT OF THE PCT/FI91/00011  DATE					
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d. X Copy of Notice re Elected Offices (PCT/IB/332)  Walter Scott KENYON & KENYON One Broadway New York, NY 10004 (212) 425-7200  July 1992 SIGNATURE (REG. NO. 30,588)  DATE	I		b.	X	Copy of the Demand under the PCT (PCT/IPEA/401)  Copy of Notification of Receipt of Demand (PCT/IPEA/402)
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## EXPRESS MAIL CERTIFICATE

"EXPRESS MAIL" MA	ILING LABEL NUMBER	B90009385	
DATE OF DEPOSIT	JUL.14,1992		
TYPE OF DOCUMENT	NATIONAL PHASE PA	ATENT APPLICATION FOR H.HEIKKIL	A,ET.AL;
SERIAL NO.	17/910133	FILING DATE HEREWITH	
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ABOVE, BY BEING H	ANDED TO A POSTAL (	CLERK OR BY BEING PLACED IN	
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TITLE: PROCESS FOR THE SIMULTANEOUS PRODUCTION XYLITOD:
AND ETHANOL

B90009385 The stamp of the Patent Office hereon, may be taken as acknowledging the receipt, on the date stamped, of NATIONAL PHASE
PATENT APPLICATION of H.HEIKKILA, ET H.HEIKKILA, ET.AL; Title PROCESS FOR THE SIMULTANEOUS PRODUCTION OF XYLITOL AND ETHANOL
Assignment
25 Assignment Specification\_ Recording fee \$\_\_\_ No. of claims\_\_\_ Authorization to charge Dep. Acct. Yes No. of drawings\_\_ Priority Document\_\_ no Declaration\_\_\_ Preliminary Amendment\_ 1,140.00 Filing fee \$\_ Small Entity\_ ENCLOSURES Jul.14,1992 WS